

**SUBSTANCE FOR TREATMENT OF NON-INSULIN DEPENDENT DIABETES  
MELLITUS, HYPERTENSION AND/OR THE METABOLIC SYNDROME**

5

**Abstract**

A substance including the chemical structures of bicyclo[3.2.1]octan or the chemical structures of kaurene for the use in a dietary supplementation or as a constituent in a medicament for the treatment of non-insulin dependent diabetes mellitus, hypertension and/or the metabolic syndrome. The unique chemical structures of bicyclo[3.2.1]octan alone or in a kaurene structure provides the substances, such as steviol, isosteviol and stevioside, with the capability of enhancing or potentiating the secretion of insulin in a plasma glucose dependent manner. The substances including these unique chemical structures also have the capability of reducing the glucagon concentration in the blood and/or lowering the blood pressure thereby providing a self-regulatory treatment system for non-insulin dependent diabetes mellitus and/or hypertension. In a combination drug which also comprise a soy protein, and/or fibre and/or at least one phytoestrogen these substances act synergistically and such combination drugs are highly useful both prophylactically or directly in the treatment of the metabolic syndrome and obesity and has due to the self-regulatory effect a widespread applicability as a dietary supplementation.